



Workshop
« Sustainable Manufacturing in Europe »
1st of October 2008
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Introduction
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French Federation of Mechanical
Engineering Industry



French Federation of Mechanical Engineering Industry (FIM)

- > In charge of
 - Economic and technical interest of 31 trade associations
 - Defence and promotion of mechanical industry
- > Different products (in relation to the topic)
 - Machinery
 - Metal forming
 - Surface cleaning / coating
 - Screw-cutting

French Federation of Mechanical Engineering Industry (FIM)

MAIN SECTORS OF ACTIVITY — 2007 % of total orders

EQUIPMENT 46.1 %

- > Machines
- > Production systems
- > Components

Companies	3 135
Employees	225 400
Total Orders	55,1



SUBCONTRACTING ACTIVITIES 45.6 %

- > Subcontracting
- > Tools
- > Household goods

Companies	7 123
Employees	407 600
Total Orders	50,6

PRECISION 8.3 %

- > Optical goods
- > Health care equipments
- > Measuring Instruments

Companies	1 075
Employees	55 100
Total Orders	9,2

total orders in billion €

Data source: FIM

Why does sustainable manufacturing matter ?

- > To Preserve resources (raw materials, water,...)
- > To lead to innovation
- > Comply with regulations
- > Comply with customer requirements



Need of prospective

- > Display roadmaps
- > Assess future technologies
- > Prepare the manufacturers (and users)
- > Anticipate regulations
- > Integration / system approach



CleanProd Project



Expected key issues

- > Identify R&D gaps
- > Display of practical Roadmaps
- > Roadmaps in line with Manufuture's
- > Projects in line with 7th FP future calls
- > Technology assessment
- > Cost and competitiveness
- > Dissemination



CleanProd details

- > Framework : 6th FP
- > Scope : machining & forming / surface preparation / surface treatment
- > Partners : 19 entities (8 MS)
- > Duration : 24 Months ending in November 2008
- > Outcome
 - 2020 Visions
 - Research roadmaps
 - R&D activities
 - European Observatory
 - CleanMéca conference

Many thanks for your attention

